

## **ABSTRACT OF THE DISCLOSURE**

The invention concerns an inertial sensor or an actuator based on diamagnetic levitation, said inertial sensor or actuator comprising support means serving as main support body for an inertial sensor or for an actuator, a two dimensional array of permanent magnets and a diamagnetic element facing the said array characterized in that said diamagnetic material constitutes the inertial mass or the moving part of the actuator.